

Main Criteria: New Hampshire College and Career Ready Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 8

Correlation Options: Show Correlated

New Hampshire College and Career Ready Standards

Science

Grade: 8 - Adopted: 2016

STRAND / STANDARD	NGSS.MS-PS.	PHYSICAL SCIENCE
STANDARD / GLE	MS-PS1.	Matter and Its Interactions
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION MS-PS1-3. Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 6-8

STRAND / STANDARD	NGSS.MS-LS.	LIFE SCIENCE
STANDARD / GLE	MS-LS1.	From Molecules to Organisms: Structures and Processes
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.

Virtual Field Trips

Galapagos Islands

STRAND / STANDARD	NGSS.MS-LS.	LIFE SCIENCE
STANDARD / GLE	MS-LS2.	Ecosystems: Interactions, Energy, and Dynamics
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION MS-LS2-2. Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.

Virtual Field Trips

Amazon Rainforest - Grades 6-8

Amazon Rainforest - People and Threats - Grades 6-8

Canada: Coast to Coast

Galapagos Islands

National Parks - Alaska & Hawaii

EXPECTATION MS-LS2-3. Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Virtual Field Trips

Amazon Rainforest - Grades 6-8

Amazon Rainforest - People and Threats - Grades 6-8

Galapagos Islands

EXPECTATION	MS-LS2-4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
		Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado

EXPECTATION	MS-LS2-5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah

STRAND / STANDARD	NGSS.MS-ESS.	EARTH AND SPACE SCIENCE
STANDARD / GLE	MS-ESS2.	Earth's Systems
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION	MS-ESS2-1.	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands

EXPECTATION	MS-ESS2-2.	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.
		Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah

EXPECTATION	MS-ESS2-3.	Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.
		Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Wyoming, Utah

EXPECTATION	MS-ESS2-5.	Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.
		Virtual Field Trips Canada: Coast to Coast

EXPECTATION	MS-ESS2-6.	Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.
		Virtual Field Trips Galapagos Islands

STRAND / STANDARD	NGSS.MS-ESS.	EARTH AND SPACE SCIENCE
STANDARD / GLE	MS-ESS3.	Earth and Human Activity
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION	MS-ESS3-1.	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor National Parks - Alaska & Hawaii National Parks - Nevada, California

EXPECTATION	MS-ESS3-3.	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah

EXPECTATION	MS-ESS3-4.	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8

EXPECTATION	MS-ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
		Virtual Field Trips Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado

New Hampshire College and Career Ready Standards
Social Studies
Grade: 8 - Adopted: 2006

STRAND / STANDARD		Civics and Governments: The goal of Civics is to educate students to understand the purpose, structure, and functions of government; the political process; the rule of law; and world affairs. Civics builds on a foundation of history, geography, and economics to teach students to become responsible, knowledgeable citizens, committed to participation in public affairs.
STANDARD / GLE	SS:CV:1:	The Nature and Purpose of Government: Students will demonstrate an understanding of the nature of governments, and the fundamental ideals of government of the United States.

GRADE LEVEL EXPECTATION	SS:CV:8: 1.1:	Explain why limiting the powers of government is essential for the protection of individual rights. Virtual Field Trips Canada: Our Northern Neighbor
STRAND / STANDARD		Civics and Governments: The goal of Civics is to educate students to understand the purpose, structure, and functions of government; the political process; the rule of law; and world affairs. Civics builds on a foundation of history, geography, and economics to teach students to become responsible, knowledgeable citizens, committed to participation in public affairs.
STANDARD / GLE	SS:CV:2:	Structure and Function of United States and New Hampshire Government: Students will demonstrate an understanding of major provisions of the United States and New Hampshire Constitutions, and the organization and operation of government at all levels including the legislative, executive, and judicial branches.
GRADE LEVEL EXPECTATION	SS:CV:8: 2.1:	Define the organization and responsibilities of federal government that are set forth in the New Hampshire Constitution, the United States Constitution and their amendments, e.g., Separation of Powers, Division of Powers, or the Bill of Rights. Virtual Field Trips Washington, DC - Grades 6 - 8
GRADE LEVEL EXPECTATION	SS:CV:8: 2.2:	Compare and contrast the structure and major responsibilities and services of government at the local, state, and federal levels as set forth in the New Hampshire Constitution and the United States Constitution, e.g., taxation, transportation, or education. Virtual Field Trips Barcelona Washington, DC - Grades 6 - 8
STRAND / STANDARD		Economics: Economics is the study of the allocation and utilization of limited resources to meet society's unlimited needs and wants, including how goods and services are produced and distributed. Through economics, students examine the relationship between costs and benefits. They develop an understanding of basic economic concepts; economics in history; how economics affects and is affected by the individual; cycles in the economy; financial institutions and government; and international economics and trade. The goal of economic education is to prepare students to make effective decisions as consumers, producers, savers, investors, and as citizens.
STANDARD / GLE	SS:EC:5:	International Economics and Trade: Students will recognize the importance of international trade and how economies are affected by it.
GRADE LEVEL EXPECTATION	SS:EC:8: 5.2:	Identify and explain the impact on trade of government policies, e.g., tariffs, quotas, or embargoes. Virtual Field Trips Exploring Cuba
GRADE LEVEL EXPECTATION	SS:EC:8: 5.4:	Examine the effects of changing economies on international trade, e.g., modernization, specialization, or interdependence. Virtual Field Trips Exploring Cuba
STRAND / STANDARD		Economics: Economics is the study of the allocation and utilization of limited resources to meet society's unlimited needs and wants, including how goods and services are produced and distributed. Through economics, students examine the relationship between costs and benefits. They develop an understanding of basic economic concepts; economics in history; how economics affects and is affected by the individual; cycles in the economy; financial institutions and government; and international economics and trade. The goal of economic education is to prepare students to make effective decisions as consumers, producers, savers, investors, and as citizens.
STANDARD / GLE	SS:EC:6:	Personal Finance: Students will be able to explain the importance of money management, spending credit, saving, and investing in a free market economy.

GRADE LEVEL EXPECTATION	SS:EC:8: 6.1:	Compare the advantages and disadvantages of different payment methods. Virtual Field Trips Barcelona
STRAND / STANDARD		Geography: The real crux of geography is understanding our physical Earth and human-environment interaction: knowing why people settle in an area, how they make their living and the resources they use, why they dress or speak the way they do, and what they do for entertainment. A geographically informed person can draw connections between locations of the Earth, recognize complex regional patterns, and appreciate the influence of place on human development.
STANDARD / GLE	SS:GE:1 :	The World in Spatial Terms: Students will demonstrate the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information.
GRADE LEVEL EXPECTATION	SS:GE:8: 1.1:	Compare relative advantages and disadvantages of using maps, globes, aerial and other photographs, satellite-produced images, and models to solve geographic problems, e.g., the Mercator projections versus Robinson projections. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
STRAND / STANDARD		Geography: The real crux of geography is understanding our physical Earth and human-environment interaction: knowing why people settle in an area, how they make their living and the resources they use, why they dress or speak the way they do, and what they do for entertainment. A geographically informed person can draw connections between locations of the Earth, recognize complex regional patterns, and appreciate the influence of place on human development.
STANDARD / GLE	SS:GE:2 :	Places and Regions: Students will demonstrate an understanding of the physical and human geographic features that define places and regions as well as how culture and experience influence people's perceptions of places and regions.
GRADE LEVEL EXPECTATION	SS:GE:8: 2.1:	Identify the types of regions, e.g., formal, functional, or vernacular regions of which the local community is a part. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor
GRADE LEVEL EXPECTATION	SS:GE:8: 2.2:	Illustrate the connections among regions, e.g., world trade or regional alliances. Virtual Field Trips Exploring Cuba
GRADE LEVEL EXPECTATION	SS:GE:8: 2.3:	Describe how culture, technology, and experience affect perception of places and regions, e.g., images created by mass media or travel. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
STRAND / STANDARD		New Hampshire and United States History: The study of New Hampshire and United States History is important in helping citizens understand and appreciate the legacy of our republic, and to develop the empathy and analytical skills needed to participate intelligently and responsibly in our ongoing democratic experiment. Historical study exposes students to the enduring themes and issues of our past and emboldens them to courageously and compassionately meet the contemporary challenges they will face as individuals in a state, a country and an interdependent world. Ultimately, the study of history will help students plan and implement responsible actions that support and enhance our collective values.
STANDARD / GLE	SS:HI:2:	Contacts, Exchanges & International Relations: Students will demonstrate an understanding of the events, actions and policies of our nation in relation to other peoples and governments over time.

GRADE LEVEL EXPECTATION	SS:HI:8:2.2:	Explain major United States efforts to remove European influence from the Western Hemisphere, e.g., the Monroe Doctrine or the Cuban Missile Crisis.
		Virtual Field Trips Exploring Cuba
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STANDARD / GLE	SS:HI:3:	World Views and Value systems and their Intellectual and Artistic Expressions: Students will demonstrate an understanding of conceptions of reality, ideals, guidelines of behavior and forms of expression.
GRADE LEVEL EXPECTATION	SS:HI:8:3.1:	Explain how art, music and literature often reflect and/or influence major ideas, values and conflicts of particular time periods, e.g., manifest destiny, protest movements, or freedom of expression.
		Virtual Field Trips Canada: Our Northern Neighbor Exploring Cuba
STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalities and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:3:	World Views and Value systems and their Intellectual and Artistic Expressions: Students will demonstrate their understanding of conceptions of reality, ideals, guidelines of behavior and their forms of expression.
GRADE LEVEL EXPECTATION	SS:WH:8:3.1:	Demonstrate an understanding of how art, music and literature often influence or reflect major ideas, values and conflicts of a particular time.
		Virtual Field Trips Canada: Our Northern Neighbor Exploring Cuba
GRADE LEVEL EXPECTATION	SS:WH:8:3.2:	Analyze how architecture has symbolized the values of various societies, e.g., Greco-Roman, Tudor English, or Scandinavian.
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Ancient Greece Ancient Rome London - City of Pomp & Majesty Rome - The Eternal City